APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/808,223	03/23/2004	Srivatsa Krishnaswamy	200300248-1	5027

22879 7590 09/10/2007	EXAMINER
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INTELLECTUAL PROPERTY ADMINISTRATION
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
Office Action Summary	10/808,223	KRISHNASWAMY ET AL.
	Examiner	Art Unit	
	Richard Pantoliano Jr	2194	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on _28 June 2004_.

2a) ☐ This action is **FINAL.**   2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) _1-26_ is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) _1-26_ is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☒ The drawing(s) filed on ²⁸ ᴶᵘⁿᵉ ²⁰⁰⁴ is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some *   c) ☐ None of:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____.

      3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____.

DETAILED ACTION

1.   This is the initial office action for Application# **10/808,223** filed on **23 March**

2004. **Claims 1-26** are currently pending and have been considered below.

Claim Objections

2.   **Claim 16** is objected to because of the following informalities: line 2, "receive"

should be "received". Appropriate correction is required.

Claim Rejections - 35 USC § 102

3.   The following·is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United·States and was published under Article 21(2) of such treaty in the English language.

4.   **Claims 1-26** are rejected under 35 U.S.C. 102(e) as being anticipated by <u>Kotnur</u>

<u>et al</u> (US PGPub: 2004/0015835), hereinafter <u>Kotnur</u>.

5.   As to **Claim 1**, <u>Kotnur</u> discloses the invention substantially as claimed including

the method of data object transformation, the method including:

       a) receiving a message from a communications line, the message including one

or more data objects of a first object type, wherein the message is in a first

communications format (para. [0033]) (The receiving a the java class to convert to a

distributed object meets this limitation);

b) converting the message from the first communications format to a second

communications format (para. [0033], [0039]-[0047]);

c) converting the one or more data objects from the first object type to a second

object type, wherein the one or more data objects are converted using a first set of one

or more transformation classes, each of the one or more transformation classes

generated using mapping rules (para. [0033], [0039]-[0047]); and

d) transmitting the converted one or more second object type data objects to an

application (para. [0033]).

6.   As to **Claim 2**, Kotnur further teaches wherein the communications line is

messaging middleware, and the first communications format is a middleware-dependent

format, and the second communications format is a middleware-independent format

(para. [0028]-[0032]).

7.   As to **Claim 3**, Kotnur further teaches wherein each of the one or more data

objects is a Java object (para. [0028]-[0032]).

8.   As to **Claim 4**, Kotnur further teaches wherein the first object type is a domain

object model type and the second object type is an application-specific object model

type (para. [0033], [0039]-[0047]) (The conversion of objects from local objects to

distributed objects meets this claim limitation).

9.   As to **Claim 5**, <u>Kotnur</u> further teaches:

         a) registering the application with the communications line (para. [0040]-[0057]);

and

         b) transmitting high-level function calls to the application (para. [0040]-[0057]).

10.   As to **Claim 6,** <u>Kotnur</u> further teaches:

          a) receiving a second message from the application, the second message

including one or more data objects of the second object type (para. [0033]);

         b) converting the one or more data objects from the second object type to the

first object type, wherein the one or more data objects are converted using a second set

of one or more of the transformation classes (para. [0033]);

         c) generating a communications line dependent message, the communications

line dependent message including the converted one or more first object type data

objects (para. [0033], [0039]-[0047]); and

          d) transmitting the communications line dependent message to the

communications line (para. [0033]).

11.   As to **Claims 7-10**, these claims are rejected for the same reasoning as applied

to **Claims 2-5**, respectively.

12.   As to **Claim 11**, <u>Kotnur</u> discloses the invention substantially as claimed, the method including:

a) generating a first object model and a second object model, the first object model including a plurality of data objects of a first object type, and the second object model including a plurality of data objects of a second object type (para. [0033], [0039]-[0047]);

b) storing the first and second object models in one or more memories (para. [0033], [0039]-[0047]);

c) generating transformation mapping rules (para. [0033], [0039]-[0047]);

d) generating a plurality of transformation classes using the first and second object models and the transformation mapping rules (para. [0033], [0039]-[0047]);

e) receiving one or more data objects format (para. [0033]) (The receiving a the java class to convert to a distributed object meets this limitation);

f) converting the received one or more data objects, using the transformation classes, from:

(1) the first object type to the second object type (para. [0033], [0039]-[0047]); or

(2) from the second object type to the first object type; and

g) transmitting the converted one or more data objects (para. [0033]).

13.   As to **Claim 12,** <u>Kotnur</u> further teaches wherein each of the one or more data objects is a Java object (para. [0028]-[0032]).

14.   As to **Claim 13,** <u>Kotnur</u> further teaches wherein the first object model is a domain object model and the second object model is an application-specific object model (para. [0028]-[0032]).

15.   As to **Claim 14,** <u>Kotnur</u> further teaches wherein the first object type is a domain object model type and the second object type is an application-specific object model type (para. [0028]-[0032]).

16.   As to **Claim 15,** <u>Kotnur</u> further teaches wherein the one or more data objects are receive from messaging middleware (para. [0028]-[0032]).

17.   As to **Claim 16,** <u>Kotnur</u> further teaches wherein the one or more data objects are received from an application, the application coupled to a communications line (para. [0028]-[0032]).

18.   As to **Claims 17-21,** being directed to the system implementing the methods of **Claims 1-4 and 6,** these claims are rejected for the same reasoning as applied to **Claims 1-4 and 6.**

19.   As to **Claims 22-25**, being directed to the system implementing the methods of

Claims 2 and 11-16, these claims are rejected for the same reasoning as applied to

Claims 2 and 11-16.

20.   As to **Claim 26,** being directed to the apparatus implementing the method of

Claim 11, this claim is rejected for the same reasoning as applied to **Claim 11**.

Conclusion

21.   Examiner has cited particular columns and line numbers and/or figures in the

references as applied to the claims for the convenience of the applicant. Applicant is

reminded that rejections are based on references as a whole and not just the cited

passages. Although the specified citations are representative of the teachings in the art

and are applied to the specific limitations within the individual claim, other passages and

figures may apply as well. It is respectfully requested from the applicant, in preparing

the responses, to fully consider the references in entirety as potentially teaching all or

part of the claimed invention, as well as the context of the passage as taught by the

cited art or disclosed by the examiner.

22.   The prior art made of record on the P.T.O. 892 that has not relied upon is

considered pertinent to applicant's disclosure. Careful consideration of the cited art is

required prior to responding to this Office Action, see 37 C.F.R. 1.111(c).

23.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Richard Pantoliano Jr whose telephone number is (571)

270-1049. The examiner can normally be reached on Monday-Thursday, 8am - 4 pm

EST.

24.   If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, William Thomson can be reached on (571)272-3718. The fax phone

number for the organization where this application or proceeding is assigned is 571-

273-8300.

25.   Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

RP
09/04/2007